



BTeV WBS Dictionary

WBS Activity Example

February 5, 2001

This document provides an example
WBS Dictionary Element for a BTeV WBS Activity

BTeV WBS Dictionary Basis of Cost Estimate

WBS Activity Number:

1.2.1.2.1

WBS Activity Name:

Hybrid Production

WBS Activity Description:

This WBS Activity consists of the production and assembly of the electrical substrates for the five ladder layers of the SVX II detector. Each hybrid contains SVX3 chips and other components. LBNL is responsible for both the hybrid design for each of the five layers of ladders and the production and assembly of the 720 hybrids for the SVX II, 60 hybrids of standalone use and 20% spares. The University of Hiroshima will pay for the production of the hybrids. QA and testing of the assembled hybrids is a shared responsibility between LBNL, the University of New Mexico and the University of Pittsburgh.

Ground Rules & Assumptions:

SVX II requires 720 hybrids (one per ladder side), 60 hybrids for standalone use, and 20% spares.

Basis of Estimate:

Hybrid production costs are based on vendor information for applicable quantities. Testing costs is based on physicist estimates using prior experience with the SVX and SVX' projects.

Estimate Source:

Costing estimates are from:

1. Vendor estimates from a Japanese flex circuit vendor (Ref. 14)
2. Purchase Order to Pacific Microelectronics Corp. for the BeO hybrid (Ref. 15)
3. Vendor information on Be heat conductors (Ref. 16)